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(54) GROWTH FACTOR DERIVED
FROM MOUSE HEPATOMA CELL

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain new DNA base sequences encoding a mouse hepatoma cell-derived growth factor (HDGF) having specific amino acid sequences, and used for the production of mouse HDGF useful for the elucidation of function thereof as a homologue to human HDGF, etc.

SOLUTION: This growth factor derived from mouse hepatoma cells in new DNA base sequences encoding a growth factor derived from mouse hepatoma cells (mouse HDGF) having amino acid sequences shown by the formula, and used for the production, etc., of the mouse HDGF useful for the elucidation of functions thereof and for a disease model as a homologue of a human HDGF. The DNA base

sequences encoding the mouse HDGF are obtained by extracting mRNA from a mouse testicle tissue by a usual method, synthesizing cDNA by using the mRNA as a mold, and screening the DNA sequences by using the DNA of the human HDGF as a probe after preparing a cDNA library.

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Met Ser Arg Ser Asn Arg Glu Lys

5

Lys Cys Gly Asp Leu Val Phe Ala

15

Lys Gly Tyr Pro His Trp Pro Ala

25

|

Pro Ala Glu Glu Glu Glu Gly Glu

215

Ala Ala Lys Glu Glu Ala Glu Ala

225

Val Arg Asp His Glu Ser Leu* . .

235